

**ABSTRACT OF THE DISCLOSURE**

The present invention relates to computer network based communication system and method in which voice/data composite communication can be made regardless of communication means, location, time, and kinds of communication appliances by using a unique and lifelong individual identification number. To this end, the present invention provides a communication system comprising a web server for managing communication information including a network identification number and a user identification number which is assigned to the user and then registered, a gateway for setting communication channels between a public network connected with telephones and an internet network connected with terminals, and a gatekeeper for authenticating a communication service required by the terminals and dynamically matching the identification number for communication with an IP address, whereby voice/data communication can be made between the telephones and the terminals.